

APR 24 2003

**510(K) SUMMARY OF SAFETY AND EFFECTIVENESS**

**Name of Firm:** Blackstone Medical, Inc.  
90 Brookdale Drive  
Springfield, MA 01104

**510(k) Contact:** Dean E. Ciporkin  
Director, Regulatory Affairs and Quality Assurance

**Trade Name:** Blackstone™ Fusion Anterior Cervical Plating System

**Common Name:** Cervical Plating Instrumentation

**Device Product Code  
& Classification:** KWQ - 888.3060 - Spinal Intervertebral Body Fixation  
Orthosis

**Substantially  
Equivalent Devices:** Blackstone™ III° Anterior Cervical Plating System (K012184)  
Aesculap® ABC Cervical Plating System (K000486)  
Synthes Spine Small Stature Anterior Cervical Vertebrae  
Plate System (K971883)  
Danek ZEPHIR™ Anterior Cervical Plate System (K994239)

**Device Description:**

The Blackstone Fusion Cervical Plating System is a titanium alloy, multiple component system comprised of a variety of non-sterile, single-use components that allow the surgeon to build an anterior cervical implant construct. The system is attached to the anterior aspect of the vertebral body by means of screws to the cervical spine. The system consists of an assortment of screws, plates and associated instrumentation, which assists in the surgical implantation of the devices.

**Intended Use / Indications for Use:**

The Blackstone Fusion Anterior Cervical Plating System is intended for anterior fixation to the cervical spine from C2 to C7. The specific clinical indications include:

- a) Degenerative disc disease (as defined as back pain of discogenic origin with degenerative disc confirmed by patient history and radiographic studies);
- b) Spondylolisthesis;
- c) Fracture;
- d) Spinal stenosis;
- e) Deformities (i.e., scoliosis, kyphosis, and/or lordosis)
- f) Tumor;
- g) Pseudoarthrosis;
- h) Revision of previous surgery

**BASIS OF SUBSTANTIAL EQUIVALENCE:**

The Blackstone Fusion Anterior Cervical Plating System is, by its very nature, substantially equivalent to the predicate devices listed below:

Blackstone™ III° Anterior Cervical Plating System (K012184)  
Aesculap® ABC Cervical Plating System (K000486)  
Synthes Spine Small Stature Anterior Cervical Vertebrae Plate System (K971883)  
Danek ZEPHIR™ Anterior Cervical Plate System (K994239)

The FDA has cleared each of these devices for anterior fixation to the cervical spine from C2 to C7.



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

APR 24 2003

Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

Mr. Dean E. Ciporkin  
Director, Regulatory Affairs and Quality Assurance  
Blackstone Medical, Incorporated  
90 Brookdale Drive  
Springfield, Massachusetts 01104

Re: K030595  
Trade Name: Blackstone™ Fusion Anterior Cervical Plating System  
Regulation Number: 21 CFR 888.3060  
Regulation Name: Spinal intervertebral body fixation orthosis  
Regulatory Class: II  
Product Code: KWQ  
Dated: February 24, 2003  
Received: February 25, 2003

Dear Mr. Ciporkin:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

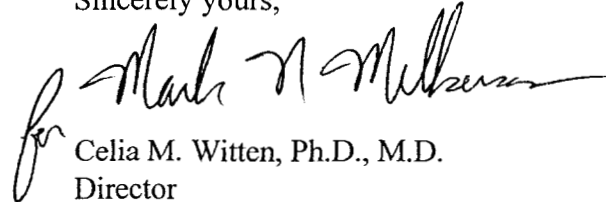
Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set

forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Office of Compliance at (301) 594-\_\_\_. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address <http://www.fda.gov/cdrh/dsma/dsmamain.html>

Sincerely yours,

A handwritten signature in black ink, appearing to read "Celia M. Witten", is written over the typed name.

Celia M. Witten, Ph.D., M.D.  
Director

Division of General, Restorative  
and Neurological Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

## Indications for Use

**510(k) Number (if known):** K030595

**Device Name:** Blackstone Fusion Anterior Cervical Platin System

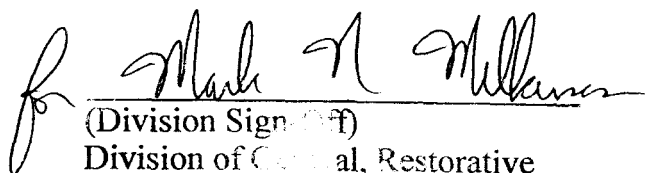
### Indications For Use:

The Blackstone™ Fusion Anterior Cervical Plating System is intended for anterior fixation to the cervical spine from the C2 to C7. The specific indications include:

- a) degenerative disc disease (as defined as back pain of discogenic origin with degenerative disc confirmed by patient history and radiographic studies);
- b) spondylolisthesis;
- c) fracture;
- d) spinal stenosis;
- e) deformities (i.e., scoliosis, kyphosis, and/or lordosis);
- f) tumor;
- g) pseudoarthrosis;
- h) revision of previous surgery

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)

  
(Division Sign Off)  
Division of Central, Restorative  
and Neurological Devices

510(k) Number

K030595

(Optional Format 3-10-98)